

Assignment -3
Python Programming

Assignment Date	03 October 2022
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Maximum Marks	2 Marks

Question-1:

Write python code for blinking LED and Traffic lights for raspberry pi

Solution:

```
from gpiozero import Button, TrafficLights, Buzzer
#importing Button,TrafficLights,Buzzer from gpiozero
package from time import sleep #importing sleep from
time package buzzer = Buzzer(15) #assigning buzzer to
GPIO pin 15 button = Button(21) #assigning button to
GPIO pin 15
lights = TrafficLights(25, 8, 7)
#assigning red led,yellow led,green led to GPIO pin 25,8,7 respectively

while True:
    button.wait_for_press()
    buzzer.on()
    light.red.on()
    light.yellow.off()
    light.green.off()    sleep(1)
    light.yellow.on()
    light.red.off()
    light.green.off()    sleep(1)
```

light.green.on()

light.yellow.off()

light.red.off() sleep(1)

lights.off() buzzer.off()